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<b>(21) International Application Number:</b> PCT/SE98/02357 <b>(22) International Filing Date:</b> 17 December 1998 (17.12.98)  <b>(30) Priority Data:</b> 9704863-1                      23 December 1997 (23.12.97)      SE  <b>(71) Applicant (for all designated States except US):</b> TELIA AB (publ) [SE/SE]; Mårbackagatan 11, S-123 86 Farsta (SE).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> AYOUB, Souhad [SE/SE]; Terapivägen 8 B, S-141 55 Huddinge (SE). ANDERSIN, Michael [SE/SE]; Fatburs Kvarngata 2, S-118 64 Stockholm (SE).  <b>(74) Agent:</b> PRAGSTEN, Rolf; Telia Research AB, Vitsandsgatan 9, S-123 86 Farsta (SE).		<b>(81) Designated States:</b> EE, JP, LT, LV, NO, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>Without international search report and to be republished          upon receipt of that report.</i>

**(54) Title:** PROCEDURE AND SYSTEM FOR POSITION MANAGEMENT IN A MOBILE TELEPHONE SYSTEM

**(57) Abstract**

A device, a system and a procedure to reduce the signalling load in a cellular mobile telephone system which support packet switched services are described. One in the mobile telephone system included mobile station is switched between a first mode in a first state, here called Ready State, respective a second state, here called Standby State, depending on a time parameter which indicates a time during which the mobile station shall remain in the first state, in order to after that switch to the second state. The value of the time parameter is set currently depending on the current speed of the mobile station through the cell network of the mobile telephone system.

